ISSUÉ SLIP STAPLE AREA (for additional cross-references)

'ISSUING CLASSIFICATION

ORIGINAL

CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK)

INTERNATIONAL
CLASSIFICATION

INTERNA

| INDEX OF CLAIMS  / |            |          |          |           |         |         |          |           |          |              |                                       |       |            | łon-            | elec     | ted                     | Α   |           |               |            | \ppe         | al         |             | -             |            |                 |          |          |        |                  |          |          |              |           |          |    |
|--------------------|------------|----------|----------|-----------|---------|---------|----------|-----------|----------|--------------|---------------------------------------|-------|------------|-----------------|----------|-------------------------|-----|-----------|---------------|------------|--------------|------------|-------------|---------------|------------|-----------------|----------|----------|--------|------------------|----------|----------|--------------|-----------|----------|----|
|                    | =Allowed   |          |          |           |         | _ 1     | +        |           |          |              | · · · · · · · · · · · · · · · · · · · |       | Restricted |                 |          | <u></u>                 |     |           |               |            |              | nte        | <u>fere</u> | nce           | <u>o .</u> | O Objected Date |          |          |        |                  |          |          | $\neg$       |           |          |    |
| Claim Date         |            |          |          |           | te      | 1-1-    |          |           |          | Claim        |                                       | 1     |            | т-              | Date     |                         |     | т         | <del>  </del> |            |              | Cla        |             | Т             | Т          | Т               |          |          |        | $\top \top \top$ |          |          |              |           |          |    |
|                    | Final      | Original | 600      |           |         |         |          |           |          |              |                                       | Final | Original   |                 |          |                         |     |           |               |            |              |            |             |               | Final      | Original        |          |          | Ÿ      |                  |          |          |              |           |          |    |
|                    | Н          |          | E        | _         |         | ┪       | 1        |           |          | $\Box$       | _                                     |       | 5          |                 | I        | L                       | Ι   | $\perp$   | _             | $\Box$     | $\perp$      |            |             |               | L          | 101             | 4        | 4        | -      | 4                | 4        | 4        | +            | 4         | 4        |    |
|                    |            | 2        | L        |           |         |         |          |           |          |              |                                       | L     |            | 2               | 4        | ╄                       | ╀   | 4         | 4             | 4          | -            | _          | _           | 1             | <u> </u>   | 102<br>103      | -        | $\dashv$ | -      | -                | ┥        | ᅱ        | -            | $\dashv$  | $\dashv$ |    |
|                    |            | 3        | $\Gamma$ |           |         |         |          |           |          | $\Box$       | _                                     | L     | L_         | 3               | 1        | 4                       | 1   | 4         | -             | 4          | $\dashv$     | _          | Н           | ١             | ┝          | 104             | $\dashv$ | $\dashv$ | ┥      | -                | +        | -1       | -+           | $\dashv$  | $\dashv$ |    |
|                    |            | 4        | Ц        |           | Ш       | $\Box$  |          |           | Ш        | $\dashv$     | 4                                     | ┡     | _1_        | 4               | ╀        | ╂-                      | +   | +         | $\dashv$      | -1         |              | _          | H           | ļ             | ├-         | 105             | $\dashv$ | ᅱ        | -      | $\dashv$         | ┪        | ┪        | ┪            | -1        | ⊣        | i  |
|                    | L          | 5        | 4        |           | L       |         | _        | _         | Н        | $\vdash$     | -                                     | ┝     |            | 6               | ╀        | ╀                       | ╀   | ╁         | +             | -          | -            | -          |             | 1             | ⊢          | 106             | -        | $\dashv$ | -      |                  | ヿ        | _        | 7            | ┪         | ヿ        |    |
|                    | <b>├</b>   | 6        | 4        | L         | Н       | Н       | Н        |           | -        | $\vdash$     | $\dashv$                              | H     |            | <del>?</del>  - | ╫        | ╁                       | ╁   | +         | ┪             | $\dashv$   | -            | _          | $\vdash$    | 1             | $\vdash$   | 107             | _        | _        |        | $\Box$           |          |          | 7            | ヿ         | 口        |    |
| ,                  | $\vdash$   | 7        | H        | <u> </u>  | Н       |         | Н        | _         | ┝        | Н            | $\dashv$                              | ŀ     | _1_        | 8               | +        | 十                       | +   | +         | 7             |            | ┪            |            | $\vdash$    | 1             |            | 108             | $\sqcap$ |          |        |                  |          |          |              | $\exists$ |          | ١. |
|                    | $\vdash$   | 9        | 1        | H         |         | Н       | Н        | -         | H        | H            | $\dashv$                              | H     | L_         | 9               | +        | +                       | +   | $\dagger$ | 7             | ┪          | 7            |            | 1           | 1             |            | 109             |          |          |        |                  |          |          |              | $\Box$    |          | ľ  |
| -                  | 1          | 10       | 7        | ┝         |         | H       | Н        | H         | $\vdash$ | Н            | ⊣                                     | h     | 10         | <del>1</del> 0  | $\top$   | 1                       | Ť   | 7         |               |            |              |            |             | ].            |            | 110             |          |          |        |                  |          |          | _            |           | Ш        | ľ  |
| -· _               | 1          | 11       | _        | H         | Н       | Н       | _        | r         | ✝        | Н            | ┪                                     | T     | T          | 31              | 1        | T                       | T   | $\top$    | $\Box$        |            |              |            |             | ]             |            | 111             | Ш        | $\Box$   | $\Box$ | Ш                |          |          |              | _         | 1        |    |
|                    | -          | 12       | Η        | -         | Т       | П       |          |           | Г        | П            | $\neg$                                |       |            | 32              | $\perp$  | I                       | Ι   | $\Box$    | $\Box$        |            |              |            |             |               | L          | 112             | Ш        | _        |        | Ш                | Ш        |          |              |           | Н        | İ  |
|                    | $\vdash$   | 13       |          | <u> </u>  | T       | П       |          |           |          |              |                                       | Ε     | _          | 33              | I        | I                       |     |           |               |            | Ш            |            | ⇂           | 1             | _          | 113             | Н        |          | _      | _                | $\vdash$ | _        | Н            | 4         | Н        | ĺ  |
|                    |            | 14       |          |           |         |         |          |           | L        | $\Box$       |                                       | L     | _£.        | 64              | _        | 4-                      | ļ   | 4         | 4             | _          | Ш            | _          | ├-          | 1             | -          | 114             | Н        | Н        | H      | ⊢                | H        | -        | H            | Н         | Н        | ł  |
|                    |            | 15       |          |           |         |         |          |           | L        | Ц            |                                       | ╌     | _          | 65              | -        | 1                       | 4   | -         | 4             |            |              | -          | <b>├</b>    | ┨             | $\vdash$   | 116             | $\vdash$ | -        | H      | $\vdash$         | -        | $\vdash$ | Н            | Н         | Н        | l  |
|                    | L          | 16       | L        | ┖         | _       | L       | <u> </u> | L         | Ļ        | Н            | Н                                     | ŀ     |            | 66<br>67        | -        |                         | +   | -         |               |            | Н            | H          | ╁╴          | 1             | $\vdash$   | 117             | $\vdash$ | H        | -      | ├-               | $\vdash$ | $\vdash$ | Н            | m         |          | ŀ  |
|                    | $\vdash$   | 17       | L        | Ļ         | ┞-      | ┡       | L        | ┞-        | ₽        | Н            | Н                                     | ŀ     | _          | 68              | +        | +-                      | +   | $\dashv$  | $\dashv$      |            | ⊢            | -          | +-          | 1             | $\vdash$   | 118             | $\vdash$ | -        | -      | H                | I        | Н        | П            | $\sqcap$  | Г        | ١  |
|                    | 1          | 18       | L        | Į.        | ╀╌      | ⊢       | ⊢        | ┞         | ╀        | $\vdash$     | Н                                     | H     |            | 69              | ╁        | +                       | +   | -         | -             |            | -            | Н          | +           | 1             | F          | 119             |          |          | Г      | Г                | 1        | Г        |              |           |          | 1  |
|                    | $\vdash$   | 20       | ┝        | +         | +       | ┢       | ⊢        | ╁╴        | ╁╌       | $\vdash$     | Н                                     | - }-  | ᅶ          | 70              | +        | ╁                       | +   |           | _             | $\vdash$   | Н            | Н          | ✝           | 1             |            | 120             | 1        | _        |        |                  |          |          |              |           | L        | ]  |
|                    | -          | 21       | ╀        | ╀         | ╁       | ╁       | ┝        | ╁╴        | ╁        | ╁            | Н                                     | ŀ     |            | 71              | _        | +                       | +   | 1         |               |            | Г            |            | T           | 1             |            | 121             |          |          |        |                  |          |          |              |           | L        | 1  |
|                    | $\vdash$   | 22       | ╁╴       | ╁         | ╁       | +-      | $\vdash$ | t         | $\vdash$ | T            | Н                                     | ı     | 7          | 72              | +        | $\top$                  | 7   | $\neg$    |               | Г          |              |            |             | ]             |            | 122             |          |          |        | 1_               | L        | <u> </u> | ١.           | L         | ₽        | 1  |
|                    | -          | 23       | 1        | t         | ✝       | ⇈       | 1        | T         | 1        |              |                                       |       |            | 73              |          | $\perp$                 |     |           |               |            |              | _          | 1           | 4             | 1_         | 123             |          | ┞        | Ļ      | <b>↓</b> _       | ┞        | ┡        | <del> </del> | ├         | ╀        | ┨  |
|                    |            | 24       | Τ        |           |         |         | Γ        |           | $\Gamma$ | $\Box$       |                                       |       |            | 74              | _        | 4                       | 4   | _         | _             | <u> </u>   | <u> </u>     | <b> </b> _ | 1           | 4             | $\vdash$   | 124             |          | -        | ┞      | ╀                | ╁        | ⊢        | ╁            | ⊢         | ╁        | ┨  |
|                    |            | 25       |          | Γ         | L       | Γ       | L        | oxdot     | L        |              | Ш                                     |       |            | 75              | _        | 4                       | 4   | .         | _             | <u> </u>   | ┞            | L          | +-          | 4             | $\vdash$   | 126             |          | ╀        | ┝      | ╁                | ╁        | ╁        | ╁╌           | ╁         | ╁        | 1  |
|                    |            | 26       | _        | L         | 1_      | ↓_      | L        | Ļ         | ┺        | 1            | Н                                     |       |            | 76              | -        | +                       | 4   | $\dashv$  | _             | ┡          | ⊢            | ╀          | ╀           | -             | -          | 127             |          | ├        | ┝      | ╁                | ┢        | ╁        | +-           | $\vdash$  | ╁        | 1  |
|                    | L          | 27       |          | ╀         | ╄       | ╀       | 1        | Ļ         | ╀        | +-           | Н                                     |       | 1          | 77<br>78        | $\dashv$ | +                       | -   | $\dashv$  | _             | ╀          | ╁            | ╁          | ╁╴          | $\dashv$      | $\vdash$   | 128             |          | ╁        | †      | †                | 十        | +        | 十            | T         | 1        | 1  |
|                    | -          | 28       | _        | ╀         | 4-      | +-      | ╀        | ╀         | ╀        | ╀            | -                                     |       | -          | 79              | $\dashv$ | +                       | +   |           | -             | ┢          | +            | t          | 十           | ┨             | -          | 129             |          | $\vdash$ | +      | †                | T        | †-       | T            | Τ         | 1        | 1  |
|                    | $\vdash$   | 30       | _        | ╀         | ╁       | ╁╴      | ╁        | ╁         | ╁        | ╂╌           | Н                                     |       | -          | 80              | +        | +                       | 1   | _         | H             | $\vdash$   | +-           | 1          | +           | 7             | $\vdash$   | 130             | 7        | T        | T      | $\top$           | Τ        | T        | Τ            | $\Box$    | I        | ]  |
|                    | $\vdash$   | 31       | _        | ╁         | ╂       | ╫       | ╁        | ╁         | ╁        | +-           |                                       |       | 7          | 81              | 寸        | $^{+}$                  | ┪   | _         | -             |            | T            | T          | 1           | 7             |            | 13              |          |          |        |                  | Ι        | L        |              |           | I        | ]  |
|                    | $\vdash$   | 32       | _        | 十         | ╅       | +       | ╁        | +         | 十        | +            |                                       |       |            | 82              | ╗        | 1                       | ╛   |           | Г             |            |              | Ι          |             |               |            | 133             |          |          | L      | ŀ                |          | L        | _            | 1         | 1        | 4  |
|                    | +          | 3        |          | $^{+}$    | ╅       | +-      | +        | T         | $\top$   | $\top$       | Τ                                     | 1     |            | 83              |          |                         |     |           |               | Г          | $\mathbb{L}$ |            |             | ]             | Æ          | 13              |          | 丄        | ┸      | ┸                | 1        | ╀        | 4-           | 1         | 4        | 4  |
|                    | ۲          | 34       |          | +         | T       | 1       | 1        | T         |          | $\mathbf{I}$ |                                       |       |            | 84              | $\Box$   | $oldsymbol{\mathbb{I}}$ |     |           |               | L          | L            | Ĺ          | 1           | 1             | 1          | 13              | _1_      | ╀        | ╀      | +                | +        | +        | +-           | ╀         | ╀        | 4  |
|                    | 上          | 3        | 5        | T         | 1       | I       | I        | Ι         | I        | I            | $\Box$                                | 1     |            | 85              | $\sqcup$ | $\perp$                 |     |           | _             | 1          | $\perp$      | 1          | - -         | 4             | -          | 13              | _        | +        | ╀      | +                | +-       | +        | +-           | ╀         | ╁        | ┨  |
|                    |            | 30       |          | Ι         | I       | I       | L        | Ĺ         | 1        | 1            | 1                                     |       |            | 86              | $\sqcup$ | _                       | _   | L.        | -             | ╄          | +            | +          | +           | 4             | -          | 13              | _        | +-       | ╁      | ╁                | +        | ╁        | +-           | +         | +        | ۲  |
|                    |            | 3        | _        | $\perp$   | _       | 1       | $\perp$  | 1         | +        | +            | ╄                                     | 1     |            | 87<br>88        | $\vdash$ | 4                       | _   |           | -             | ╀          | ╁            | ╀          | +           | +             | -          | 13              |          | ╁        | ╁      | +                | +        | ╁        | ╁            | +         | +        | ۲  |
|                    | L          | 3        | _        | 4         | 1       | 4-      | +        | +         | +        | +            | +-                                    | 1     | -          | 89              | $\vdash$ | $\dashv$                |     | -         | -             | +          | +            | +          | +-          | -             | H          | 13              |          | +        | 十      | +                | +        | +        | +            | +-        | +        | ٦  |
| 1                  | $\perp$    | 3        | _        | +         | 4       | +       | +        | +         | +        | +-           | +-                                    | 1     | -          | 90              | H        | -                       |     | -         | +             | +          | +            | +          | +           | +             | 1          | 14              |          | †        | T      | $\dagger$        | T        | T        | 1            | †         | †        | 1  |
|                    | -          | 4        |          | +         | +       | +-      | ╁        | ┿         | ╁        | ╫            | ╁                                     | 1     | $\vdash$   | 91              | Н        | -                       | _   | ┢╌        | ╁             | +          | +            | +          | +           | 1             | -          | 14              | 1        | 1        | T      | 1                | 1        | T        | 1            |           | I        |    |
|                    | H          | 4        |          | +         | +       | ╁       | +        | +         | +        | +            | +                                     | 1     | $\vdash$   | 92              | $\vdash$ | 寸                       | _   |           | †             | +          | +            | T          | 1           | 7             | Г          | 14              |          |          |        | 1                | Ι        | 1        | $\perp$      | L         | I        |    |
|                    | $\vdash$   | 4        | 3        | +         | +       | +       | +        | +         | +        | +            | +                                     | 1     | _          | 93              | П        | $\exists$               |     |           | T             | Ι          | I            | I          | I           |               |            | 14              |          | I        | I      | Ţ                | I        | Ţ        | $\perp$      | $\perp$   | $\perp$  |    |
|                    | 1          | 4        |          | +         | +       | +       | +        | $\dagger$ | +        | $\top$       | $\top$                                | 1     |            | 94              |          |                         |     |           | Γ             | I          | Ι            | I          | $\perp$     | $\Box$        |            | 14              |          | 1        | 1      | $\perp$          | 1        | 1        | 4            | +         | +        | _  |
|                    | 計          | 4        |          | $\dagger$ | $\top$  | $\top$  | 1        | T         | $\top$   | T            | $\mathbf{I}$                          | ]     |            | 95              |          |                         |     |           |               | T          |              | 1          | $\perp$     | 4             |            | 14              |          | 1        | 1      | 1                | 1        | +        | 4            | +         | +        | _  |
|                    | -          | 4        | 6        | $\top$    | _       | 1       | I        | 1         | I        | $\perp$      | $\Gamma$                              |       |            | 96              |          |                         |     |           | 1             | 1          | -            | 1          | 1           |               | L          | 14              |          | +        | +      | 4                | +        | +        | +            | +         | +        | _  |
|                    | 3          | 4        | _        | 1         | I       |         | I        | $\perp$   | $\perp$  | $\perp$      | I                                     | 1     | L          | 97              | Ш        | Ц                       |     | L         | 1             | +          | -            | +          | +           | $\dashv$      | -          | 14              |          | +        | +      | +                | +        | +        | +            | +         | +        | _  |
|                    | Ţ          | 4        |          | $\perp$   | I       | $\perp$ | $\perp$  | $\perp$   | $\perp$  | 4            | 4                                     | 4     | L          | 98              | Н        | Ц                       | _   | $\perp$   | +             | +          |              | +          | -           | $\dashv$      | H          | 14              |          | +        | +      | ╁                | +        | +        | +            | +         | +        | _  |
|                    | <u>~</u> [ |          | 9        | 1         | $\perp$ | $\perp$ | 4        | 4         | 4        | +            | +                                     | 4     | -          | 99<br>100       |          | Н                       |     | -         | +             | +          | +            | +          | +           | $\dashv$      | +          | 15              |          | +        | +      | +                | +        | +        | +            | +         | +        | -  |
| _                  | ٥[         | 15       | 0        | $\perp$   | $\perp$ | $\perp$ | ĵ        | _         | Ļ        |              |                                       | ]     | L_         | Cla             | ima      | لِيا                    | ο.  | act       | ion           |            | tani         | ء ما       | hh          | لـــ<br>citic | L<br>nal   | shee            | t h      | ere      |        |                  | -        |          | _            |           |          | _  |
| 63                 |            |          |          |           |         |         |          |           | H-T      | HOL          | = นโ                                  | dii   | ı          | UI2             | 111112   | , UI                    | J ( | act       |               | <b>.</b> . | .ap          |            |             |               |            | JJ.             |          |          |        |                  |          |          |              |           |          |    |

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